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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/022,444	12/20/2001	Lu Tung-Chieh	LUTU3001/EM	3776

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EXAMINER

PEYTON, TAMMARA R

ART UNIT	PAPER NUMBER
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2182

DATE MAILED: 09/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/022,444

Applicant(s)

TUNG-CHIEH ET AL.

Examiner

Tammara R Peyton

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 December 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 5-11 is/are allowed.
- 6) ☒ Claim(s) 1-3 and 12-20 is/are rejected.
- 7) ☒ Claim(s) 4 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3 and 12-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Janik et al., (US 2002/0078248).

As per claim 1, 12, 13, 14, and 20, Janik teaches a handheld information handling apparatus having a connector interface for swappable connection to appendant devices of two kinds, said appendant device of the first kind (LAN adapter) when connected thereto communicating with said information handling apparatus using a first transmission standard, and said appendant device (docking cradle) of the second kind when connected thereto communicating with said information handling apparatus using a second transmission standard, a method of signal transmission between said information handling apparatus and said appendant devices, comprising the steps of:

representing a first set of signals generated according to said first transmission standard by a reduced set of signals (wireless communication protocol, [0036]), wherein said reduced set of signals is transmitted over said connector interface while said information handling apparatus is communicating with said appendant device of the first kind;

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transmitting a second set of signals according to said second transmission standard (standard serial protocol, [0039]) over said connector interface while said information handling apparatus is communicating with said appendant device of the second kind.

Janik teaches a PDA that allows for wireless communication via a LAN adapter and communication with a keyboard or PC via a docking cradle. The LAN adapter has a reduced number of pins for communicating with the PDA than the number of pins that connects to the PDA to the docking cradle. The cradle connection will for interaction with a PC while the LAN adapter allows the PDA to communication with other devices over a network. The LAN adapter uses a wireless communication protocol [0037] when exchanging information with an external network and the PDA. When the PDA is in the docking cradle a standard serial protocol [0040] is used for exchanging information with the PDA and the PC even if the LAN adapter is connected to the PDA. Therefore, it would have been obvious to one of ordinary skill at the time the invention was made that Janik teaches the use of a first appendant (LAN adapter) and a second appendant (docking cradle) when each appendant communicate with the PDA using two different communication protocols.

As per claims 2, 3, and 18, Janik teaches distinguishing between the first and second set of signals to determine which set of signal will be sent over the connector interface.

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As per claims 15-17, the PCMCIA, COMPACT FLASH, AND RS-232 are well known communication protocols, thereby making use of these well known communication standards obvious.

As per claim 19, it would have been obvious to one of ordinary skill at the time the invention was made Janik teaches distinguishing whether one of said first appendant device and said second appendant device is connected to said handheld device.

Allowable Subject Matter

Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 5-11 allowed over the prior art.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammara Peyton whose telephone number is (703) 306-5508. The examiner can normally be reached between 6:30 - 4:00 from Monday to Thursday, (I am off every first Friday), and 6:30-3:00 every second Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin, can be reached on (703) 308-3301. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3718. Any inquiry of a general nature of relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Mailed responses to this action should be sent to:

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Commissioner of Patents and Trademarks

Washington, D.C. 20231.

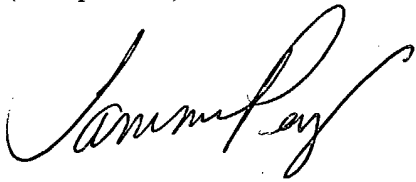
Faxes for Official/formal (After Final) communications or for informal or draft communications (please label "PROPOSED" or "DRAFT") sent to:

(703) 872-9306

Hand-delivered responses should be brought to:

Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor

(Receptionist).

A handwritten signature in black ink, appearing to read "Tammara Peyton", written in a cursive style.

Tammara Peyton

September 24, 2004